

MONTHLY WEATHER REVIEW,

APRIL, 1873.

WAR DEPARTMENT,

Office of the Chief Signal Officer,

DIVISION OF

TELEGRAMS AND REPORTS FOR THE BENEFIT OF COMMERCE AND AGRICULTURE.

STORMS.

During this month seven storms have been felt over a portion, or nearly the whole, of the country east of the Rocky Mountains. The paths of their centres have, approximately, been traced upon the War Department Weather Maps, Signal Service, United States Army.

The centre of that of April 1 and 2 passed over Missouri, Illinois, and Michigan into Canada, sending out a minor disturbance over the middle Atlantic coast, accompanied by brisk to high winds and heavy rain in all the states east of the Rocky Mountains, except that it was partly snow and sleet over northern New England, the Lake region, and the northwest; it was felt as a very severe storm from northern Texas to the Lakes and northwest.

April 3, 4, 5, 6, and 7.—Over Nebraska, Iowa, Missouri, Illinois, and lower Michigan into Canada, accompanied by brisk and occasionally high winds, and sending out several minor disturbances to the eastward; also by rain-areas, generally light, from the Missouri and Ohio Valleys and east and middle Atlantic coasts to the Lakes and Saint Lawrence Valley, except over the Lake region, where it was partly snow.

April 7, 8, 9, and 10.—Over Texas, Arkansas, Illinois, and Lake Michigan into Canada, sending out a branch over the Ohio Valley, middle Atlantic coast and to the south of New England, both accompanied by brisk and high winds; also by rain, generally heavy, from Texas to Minnesota and eastward to the Atlantic coast, except that it was partly snow over the upper lakes and northwest; it was followed by a severe "norther" in Texas on the 8th.

April 10, 11, 12, and 13.—Over the northwest, and developed into two; one passing over the lower lakes into Canada, accompanied by brisk and occasionally high winds and by rain or snow from Missouri and Kentucky to the Lakes; the other over the Ohio Valley and middle Atlantic coast, and thence slowly northeastward, preceded by severe northeasterly gales, rain, sleet, and snow from Chesapeake Bay to Nova Scotia, New Brunswick, and the lower Saint Lawrence valley.

April 13, 14, 15, 16, 17, 18, and 19.—Eastward over Wyoming, Nebraska, and Kansas to Iowa and Missouri; then diminishing in intensity and breaking up into, and sending out to the eastward over the lower lakes, several minor disturbances, and another to the middle Atlantic coast, moving thence very slowly on the 17th, 18th, and 19th, along the New England coast to Nova Scotia and New Brunswick as quite a severe storm; it was accompanied by rain, generally heavy, over the entire country east of the Rocky Mountains, except that it was partly snow over northern New England, the Lake region, and the northwest; on the 12th, 13th, 14th, and 15th it was felt as a very severe storm of rain, sleet, and snow in Wyoming, Dakota, Nebraska, and Minnesota, on the afternoon and night of the 14th and morning of the 15th as a very severe "norther" in Texas; east of the Mississippi numerous minor disturbances were felt, producing light rain or snow.

April 21, 22, and 23.—Southeastward over Dakota, the lower Missouri and lower Ohio valleys, and beyond the Carolinas; attended by fresh to very brisk winds, and by areas of generally light rain or snow from Missouri, Tennessee, and North Carolina to Minnesota, the Lakes, and Massachusetts, and followed by a severe "norther" in Indian Territory on the 22d, and in Texas on the 23d and 24th.

April 27, 28, and 29.—Over Indian Territory to Kentucky, then apparently developing into, and disappearing to the eastward as, several minor disturbances; accompanied by fresh and brisk winds and rain from the interior of the Gulf States to the Lakes and Massachusetts, which was generally heavy over the interior and along the Atlantic coast.

RAINFALL.

The returns for the month from the Signal Service stations show that there has been an excess of rain and snow over southern New England, the lower lake region, from Indiana and southern Michigan to Kansas, Iowa, and southern Minnesota, and over central Alabama and southeastern Georgia, varying from 0.65 inch to 3.06 inches, being greatest in Illinois and Missouri. Elsewhere east of the Rocky Mountains there has been a deficiency of from 0.07 inch to 3.87 inches, being most marked in the western Gulf states.

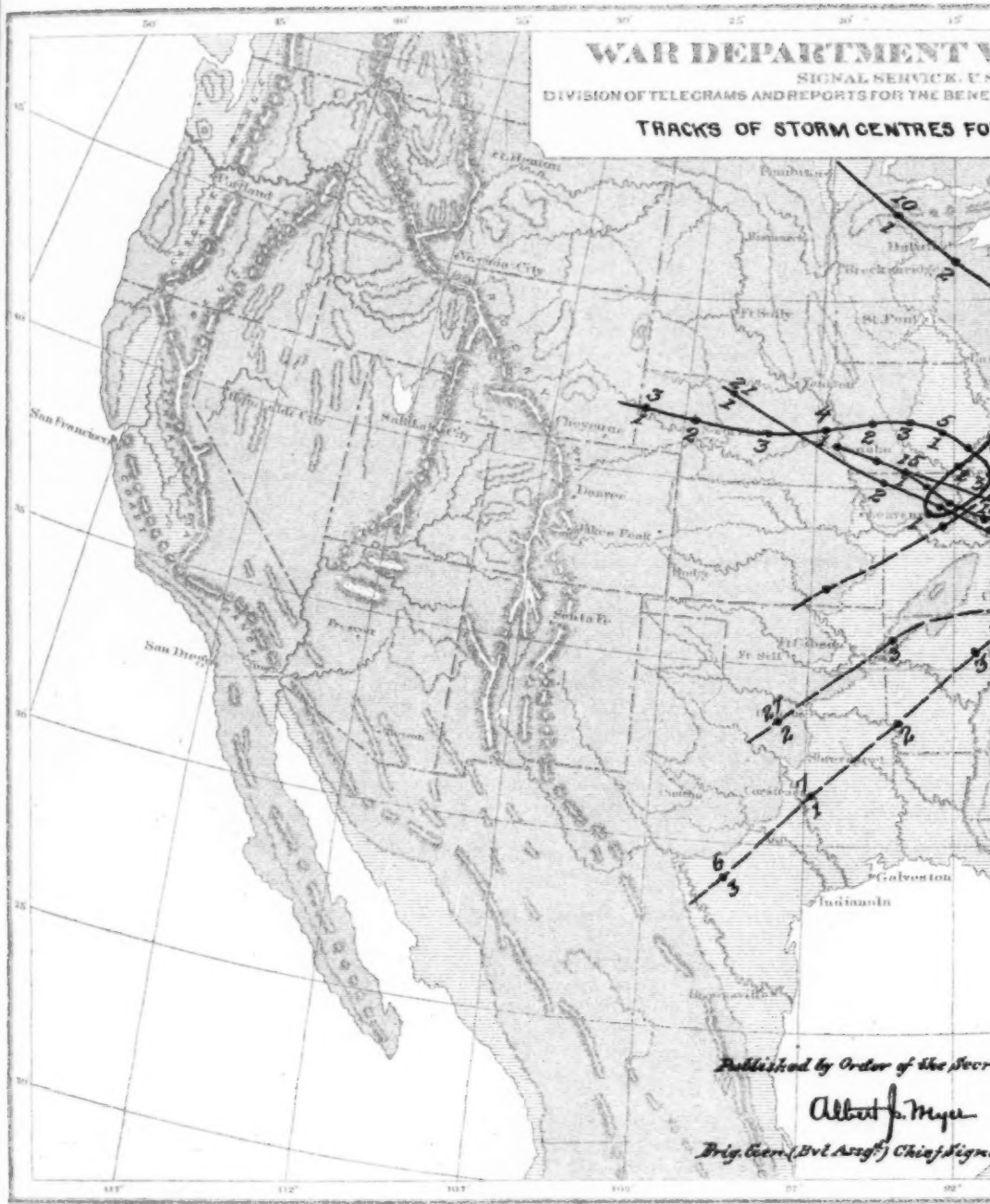
TEMPERATURE.

During the month the weather has been generally colder than usual east of the Rocky Mountains, and colder than April of last year at the Rocky Mountain stations and eastward. The mean temperature for the month taken from the Signal Service reports and compared with that for a number of years at the same stations, or others close by, is lower from Kansas and Missouri to Minnesota, 3° to 8° ; in the Middle States and Lake region, $0^{\circ}.5$ to $5^{\circ}.7$; in New England and from Kentucky to the Gulf, $0^{\circ}.5$ to 3° ; while in the south Atlantic states it varies a little above and below.

The same compared with that of last year is lower at the Rocky Mountain stations, 2° to 6° ; thence eastward, $0^{\circ}.5$ to 8° ; the difference being greatest over the Northwest and Middle States.

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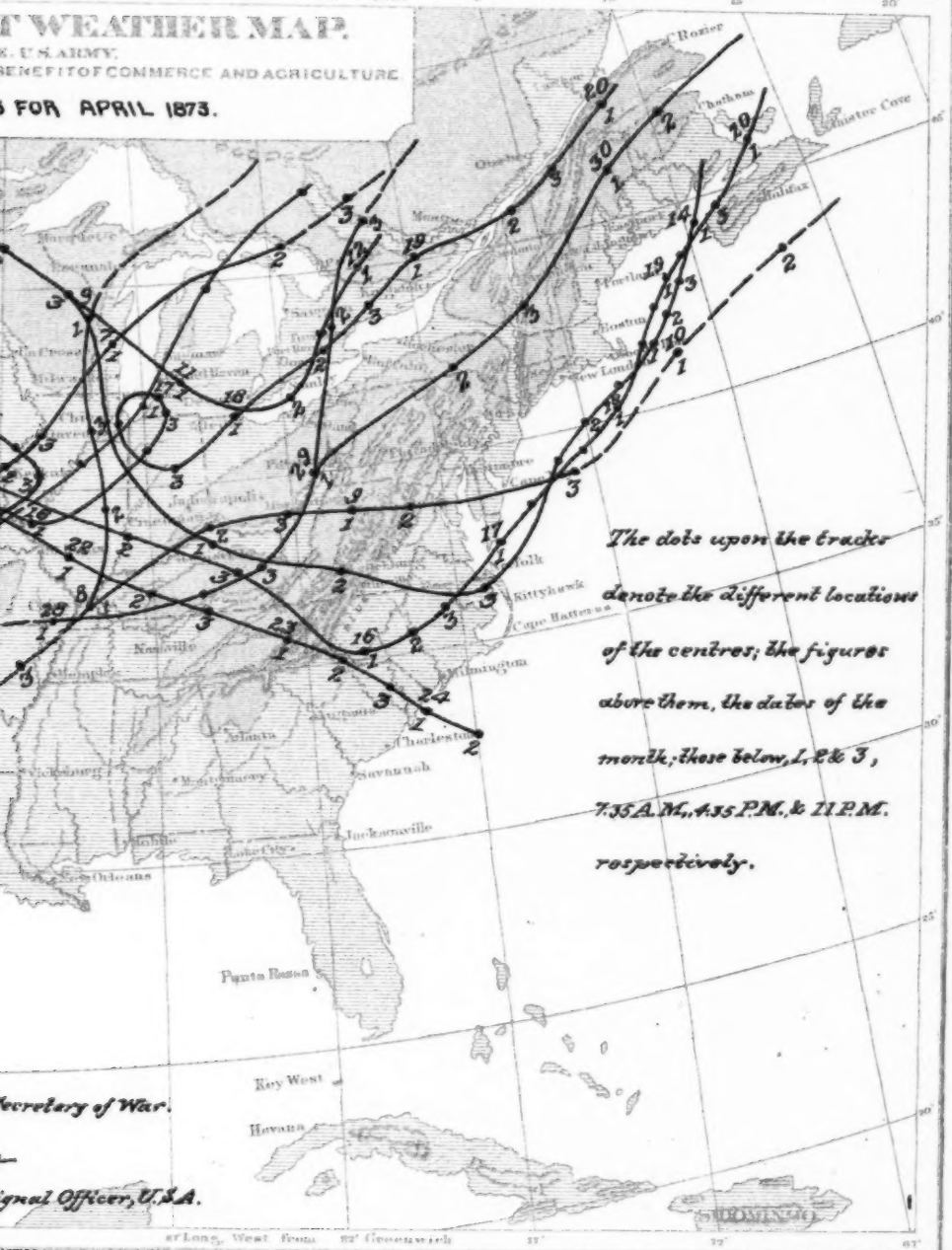
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TRACKS OF STORM CENTRES FOR

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WEATHER MAP.

U.S. ARMY.
BENEFIT OF COMMERCE AND AGRICULTURE

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Signal Office Lith.